

INTERACTIVE DOMAIN CONFIGURATION

ABSTRACT

Described herein are methods and systems for interactively configuring and
5 producing a data domain for various data structure elements of a computer program. A
domain configuration manager is described which interactively receives domain
configuration information corresponding to a data structure element, reads a reflection
of the program and produces a data domain according to domain configuration
information. The domain configuration manager is capable of producing a data domain
10 for a data structure element according to such domain configuration information such as
an explicit expression, inheritance or domain generation technique. The reflection of
the computer program exposes the methods and functions of the program to be used in
the explicit expression regardless of the visibility rules. Also, predicates and conditions
can be used with domain generation techniques to further narrowly configure the data
15 domains.

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